

## CLAIMS

I claim:

1. (Currently Amended) Instrument for plasma coagulation comprising

1. Instrument for plasma coagulation (APC), comprising

5 a tubular probe body (10) for conducting inert gas through a lumen (11) formed by a tube wall (13) of the probe body (10),  
a tubular probe body with a tube wall defining a lumen through which an inert gas is conducted  
through the probe body,

an ignition electrode (20) located within the lumen (11) and in the region of an  
10 outlet (12) of defined by the said probe body (10),

a current conductor (25) adapted to supply a coagulation current to the said ignition  
electrode (20),

15 fixing devices (30) to fix the ignition electrode (20) in a  
specified position within the probe body (10),  
characterized in that

the fixing device consists of a sheet of metal, a wafer or similar  
flat body (30), which is fixed by its longitudinal edges (31, 32),  
and

20 a fixing device fixing the said ignition electrode in a predetermined position within  
the said probe body, and comprising a flat body with longitudinal edges by means of which said flat  
body is attached to the said tube wall (13) ~~so~~such that ~~t~~said flat body extends substantially  
diametrically across the said lumen (11), and to which the ignition electrode (20) is attached.

2. (Currently Amended) Instrument according to Claim 1,

25 characterized in that wherein the said current conductor (25) is connected  
integrally connected to the said ignition electrode (20).

3. 3. (Currently Amended) Instrument according to Claim 1,

characterized in that wherein the said current conductor (25) is connected to the  
ignition electrode (20) by waymeans of the said flat body (30).

30 4. 4. (Currently Amended) Instrument according to Claim 1, wherein at least one of  
the preceding claims,

characterized in that ~~the~~said ignition electrode (20) and/or ~~the~~the current conductor (25) ~~are~~/is welded to the ~~the~~said flat body (30).

5. 5.—(Currently Amended) Instrument according to Claim 4,  
characterized in that ~~the~~wherein ~~said~~ welded attachment (38) is punctate, and  
5 formed by means of resistance welding.

6. 6.—(Currently Amended) Instrument according to one of the preceding  
claims,  
characterized in that in the region of the outlet (12) a tubule  
(14) made of ceramic or similar~~claim 1, wherein a tubule that is made of a high-~~  
10 temperature-resistant material is inserted into the ~~said~~ lumen (11) in the region of said outlet and  
~~the~~wherein ~~said~~ flat body (30) is disposed at an end (15) of the tubule (14) ~~that~~and faces  
away from the ~~said~~ outlet (12).

7. 7.—(Currently Amended) Instrument according to Claim 6,  
characterized in that ~~the~~wherein ~~said~~ flat body (30) comprises a flat edge and abuts  
15 against the ~~said~~ tubule (14) by ~~way~~means of sections (33) of its front ~~said~~ flat edge  
(34).

8. 8.—(Currently Amended) Instrument according to one of the preceding  
claims,  
characterized in that ~~the~~claim 1, wherein ~~said~~ flat body (30) comprises a flat edge  
20 that defines a concave cutout (35) at its front edge (34), which faces toward the ~~said~~  
outlet (12).